

ITEM 604.0760xxxM	CONNECT EXISTING xxx LATERAL TO NEW SEWER
ITEM 604.0761xxxM	CONNECT NEW xxx LATERAL TO EXISTING OR NEW SEWER
ITEM 604.0762xxxM	CONNECT NEW xxx SEWER TO EXISTING MANHOLE
ITEM 604.0763xxxM	CONNECT NEW xxx SEWER TO EXISTING STONE BOX SEWER
ITEM 604.0764xxxM	CONNECT NEW xxx SEWER TO EXISTING SEWER WITH CONCRETE COLLAR
ITEM 604.0765xxxM	CONNECT NEW xxx SEWER TO EXISTING SEWER WITH ELASTOMERIC SLEEVE
ITEM 604.0766xxxM	CONNECT NEW MANHOLE TO EXISTING xxx SEWER
ITEM 604.0767xxxM	CONNECT NEW CATCH BASIN TO EXISTING xxx LATERAL
ITEM 604.0768xxxM	CONNECT NEW MANHOLE TO EXISTING OR NEW xxx SEWER WITH OUTSIDE DROP CONNECTION
ITEM 604.0769xxxM	CONNECT EXISTING MANHOLE TO EXISTING OR NEW xxx SEWER WITH OUTSIDE DROP CONNECTION

### **DESCRIPTION**

This work shall consist of lateral connections to existing or new sewers, connecting new sewers to existing sewers or manholes, connecting new manholes to existing sewers and connecting new receiving basins to existing laterals as shown on the plans or as ordered by the ENGINEER.

### **MATERIALS**

Elastomeric sleeve connections shall conform to ASTM C425 with corrosion resistant shear collar, tension bands and additional tightening mechanism. Other materials shall be as shown on the plans.

### **CONSTRUCTION DETAILS**

Connections to new polyvinyl chloride pipe or vitrified clay pipe main sewer shall be made with wye branch pipe sections, except for riser type connections where tee branch pipe sections shall be used. Connections to existing vitrified clay pipe or polyvinyl chloride pipe main sewers shall be made with tee saddle hubs, or new wye branch or tee branch pipe sections installed in the main sewer as shown on the plans and/or as directed by the ENGINEER. The CONTRACTOR shall furnish bends as necessary. Tee saddle hub connections shall be cored as specified in the following section for reinforced concrete pipe connections.

Connection to existing or new reinforced concrete pipe main sewers shall be made by coring an opening in the main sewer to receive additional tee saddle hub which shall be mortared in place using additional 100% solids epoxy mortar such as Sikadue 33 or an approved equal. The use of impact devices to make the opening will not be permitted. Care shall be taken to insure that neither the lateral or the epoxy mortar shall protrude into the inner circumference of the main sewer, and all debris which may accumulate in the main sewer while making the connection shall be completely removed. The CONTRACTOR shall furnish bends as necessary.

Connections between new sewers and existing sewers or manholes or between receiving basins and laterals, shall conform to details shown on the plans, or shall be made with

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elastomeric sleeves. New manholes shall be connected to existing sewers with elastomeric sleeves or concrete collars and this work shall include new lengths of sewer pipe as needed to reach the connection point.

#### **METHOD OF MEASUREMENT**

Connecting Existing Lateral to New Sewer.

The quantity paid for will be the number of existing laterals connected to new sewers. Payment shall include installation of the wye branch, tee branch or tee saddle, the bends, lateral pipe and elastomeric sleeve to connect existing lateral pipe to new lateral pipe. This item shall include new lateral pipe from the main sewer to additional point 1.5 meters beyond the main sewer side payment limits for "Trench Excavation" or "Trench Excavation-Solid Rock".

Connect New Lateral to Existing or New Sewer.

The quantity paid for will be the number of new laterals connected to existing or new sewers. Payment shall include installation of the wye branch, tee branch or tee saddle.

All Other Connections.

The quantity paid for under these items shall be the number of connections completed in accordance with the plans and specifications.

#### **BASIS OF PAYMENT**

The unit price bid shall include the cost of all labor, materials and equipment necessary to complete the work as specified. Excavation, backfill and surface restoration will be paid for separately under their appropriate items.

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Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
604.0760xxxM	Connect Existing xxx Lateral to New Sewer	EA
604.0761xxxM	Connect New xxx Lateral to Existing or New Sewer	EA
604.0762xxxM	Connect New xxx Sewer to Existing Manhole	EA
604.0763xxxM	Connect New xxx Sewer to Existing Stone Box Sewer	EA
604.0764xxxM	Connect New xxx Sewer to Existing Sewer with Concrete Collar	EA
604.0765xxxM	Connect New xxx Sewer to Existing Sewer with Elastomeric Sleeve	EA
604.0766xxxM	Connect New Manhole to Existing xxx Sewer	EA
604.0767xxxM	Connect New Catch Basin to Existing xxx Lateral	EA
604.0768xxxM	Connect New Manhole to Existing Or New xxx Sewer with Outside Drop Connection	EA
604.0769xxxM	Connect Existing Manhole to Existing Or New xxx Sewer with Outside Drop Connection	EA